

NOTES ON BUTTERFLIES OF THE SHAN STATES.

BY

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(Continued from page 665 of vol. xl).

Since writing the list of butterflies found in the Shan States I would like to mention one or two observations made and not mentioned in the first list.

During April of this year I caught a damaged specimen of *Chilasa slateri marginata*. So this butterfly does appear in the Shan States. I caught the above specimen at Maymyo, 3,500 ft.

Byasa aidoneus. A couple of males of this butterfly was caught by me during May of this year, so evidently it is double brooded.

In my previous list I mentioned that *Papilio noblei* was reported to be plentiful in the Myitkyina District. I have visited this district twice this year, end of March and end of June. During my first visit I caught one male, and the second visit I was fortunate in getting half a dozen. It flies along with *helenus helenus* and *chaon chaon* and is difficult to differentiate when on the wing. Like others of this family it settles on the damp patches of ground. No females were caught or seen.

One other butterfly caught in March in this district and not recorded as being found in Burma was *Elymnias pealii*. Evans mentions it as being found in Assam.

While on this tour end of March I came across *Appias nero galba* gathered on the sand near a stream and I never saw so many butterflies together before. Truly there were hundreds of thousands, chiefly wet season form and only a few of the dry season form. Why the wet season form should be out and in the majority instead of the dry season form I am at a loss to understand. It was impossible to collect one at a time as each sweep of the net caught at least fifty. All males of course.

Another interesting capture while on this tour was a *Penthema* which differs from *lisarda lisarda* or *darlisa*. It favours *darlisa* but does not have sub-marginal spots shaped like arrow heads. The colour of the spots are not so blue and some other markings are different. It would appear to be an intermediate race. I caught two males of this butterfly.

NYMPHALIDÆ.

CHARAXES

polyxena hiera. Fd. Fairly common all over the Shan States. Males are filth eaters and are to be found feeding on excreta of wild animals. The varieties *corax*, *hipponax* and *pleistoanax* are also found along with *hierax*.

marmax. Wd. I have seen this only in the South Shan States and is very rare there.

fabius sulphureus. Roth. Not seen in the North but fairly plentiful at Lebin, 2,000 ft. in the South.

ERIBCEA

schreiberi assamensis. Roth. Caught two males of this very rare butterfly at Maymyo, 3,500 ft. One on October last year and the other about ten years ago.

athamas athamas. Dr. Very common all over the country.

arja. Fd. Also very common.

moori sandakanus. Fruh. Very rare indeed. Not seen in the Shan States, but a damaged specimen was given me and caught near Pinyinana probably at the foot of the Shan States Hills.

dolon magniplaga. Fruh. Found at Kalaw in the South. None seen in the North. A friend of mine at Kalaw found three chrysalises in his garden and was successful in breeding two of them, a male and a female.

dolon grandis. Roth. Males fairly plentiful at Kalaw in the South. I used to catch quite a number while feeding on the bed of a stream near the Railway Station.

narcœa lissainci. Tyt. Very rare indeed. I have seen only one and failed to net it.

eudamippus nigrobasalis. Lathy. A few caught in different parts of the States.

delphis. Db. Not seen in the Shan States proper, but they are fairly plentiful on the Karen Hills in the Toungoo District.

PROTHÆ

calydonia belisama. Crow. Not seen in the Shan States proper, but a couple of females were caught by me at Pathechaung at the foot of the Karen Hills, end of April of this year.

franckii angelica. But. Not seen in the Shan States. A pair caught at Pathechaung same time as above.

APATURA

cooperi. Tyt. I have caught half a dozen pairs at Maymyo which I believe is the only place in which it is to be found.

ulupi kalaurica. Tyt. This should be spelt *kalawiea* as it was first found by my friend Mr. Dingavan at Kalaw and from whom General Tytler got his specimens. I have not seen it in the North and it appears to be very rare even in the South.

dingavani. This new butterfly has not yet been officially recorded, but I understand Mr. Dingavan of Kalaw has sent specimens to General Evans for naming. It is somewhat like *ulupi florenciae*. Strange to say this new butterfly is only found in the garden of Mr. Dingavan at Kalaw. The country round about has been searched but no trace of it can be found. About six pairs have so far been caught, one pair of which is in my collection.

ambica ambica. Koll. Not at all common in the Shan States. I have seen only one at Maymyo and one other at Kalaw. It is more common on the plains in the North of Burma.

parisatis parisatis. Wd. I caught a number of males at Yinmabin 1,200 ft. in the Southern Shan States. I have not seen any females. It does not appear to fly at higher altitudes.

HERONA

marathus marathus. Db. Fairly plentiful at Maymyo in the North, but not seen elsewhere.

SEPHISA

chandra. M. Males very common in the Shan States. One female of the typical form caught by me at Maymyo, and one female of the variety *chandrana* in my garden. I have not seen the variety *albina*.

EURIPUS

halitherses. Dob. and Hew. Two males in my collection. No females seen.

DIAGORA

persimilis persimilis. Wd. Rare in the Shan States. One male caught at Maymyo this year, and one male at Kalaw.

HESTINA

nama. Db. Fairly common in the South but rare in the North.

CALINAGA

buddha sudassana. Melvill. I generally manage to collect two or three males every year, end of March or beginning of April. This year I was more fortunate and caught two females in coitu.

PENTHEMA

dariisa. M. Caught a few males in the Momeik State, just above Mogok Ruby Mines. This year I caught two males of the variety mentioned at the beginning of this list.

DICHORRAGIA

A few caught in both North and South.

STIBOCHIONA

Rare and only one seen which I could not net.

EUTHALIA

cocytus satrapaces. Hew. Caught a number of these at the foot of the Karen Hills, but not seen in the Shan States proper.

lepidea sthavara. Fruh. Common at Maymyo in the North.

julii sedeva. M. Plentiful all over the Shan States.

jahnu jahnu. M. Fairly plentiful.

anosia anosia. M. Rare. I have caught about six in the course of 15 years.

telchinia. Men. Very rare. Only seen one and that many years ago.

mahadeva binghami. De N. Caught one male this year at the foot of the Karen Hills, end of April. I have not seen it in the Shan States proper.

merta eriphyle. De N. Only one caught by me.

garuda garuda. M. Common all over the country.

jama verena. Fruh. Rare. Only one male caught at Maymyo.

phemius. Db. Rare in the Shan States. A pair caught by me at Maymyo during 1938.

lubentina indica Fruh. Not too plentiful. I caught a few in the North Hsenwl State a few years ago. An occasional one at Maymyo in April.

nara shania. Ev. This used to be plentiful at Kalaw, but it is now scarce and very seldom seen.

sahadeva narayana. GrS. and Kir. Not rare, and I manage to collect a few good specimens every year at Maymyo.

pratti cooperi. Tyt. Very rare, and I have only managed to net one during my many years residence in Maymyo.

patala taooana. M. Fairly rare, but odd ones can be caught both at Maymyo and Kalaw.

evelina eve'ina. Stoll. Rare. Only two in my collection; both caught at Maymyo.

ADOLIAS

cyanipardus. But. Rare. One male in my collection caught at Kalaw.

dirtea jadeitina. Fruh. Fairly common at altitudes of about 2,000 ft.

PARTHENOS

sylvia gambrisius. F. Common all over the Shan States.

LEBADEA

martha attenuata. Very common at lower altitudes.

NEUROSIGMA

doubledayi nonius. De N. I have caught a few in Maymyo as well as Kalaw. I notice Evans records this as from Karens and Dawnas. However the Karens should be placed geographically in the Shan States, especially from an entomological point of view.

LIMENITIS

daraxa. Dob. and Hew. I have caught a few males at Maymyo, but to date have not been able to secure a female. It occurs also in the South.

dudu. Wd. Very rare, and I have only been able to collect a pair during my many years of collecting.

procris procris. Cr. Very common all over the Shan States.

PANTOPORIA

sulpitia adamsoni. M. I have caught a few of these at Maymyo.

nefte inara. Db. Not too plentiful. Two or three specimens caught every year.

cama. M. Same remarks as the above.

selenophora selenophora. Koll. Very common indeed, especially males which delight in gathering on moisture on the roads.

zeroca. M. Rather rare in the Shan States.

opalina orientalis. Eb. A few of these can be caught during the rains at Maymyo.

ranga ranga. M. Not too rare. I have caught a number of good specimens during my residence in the Shan States.

larymna siamensis. Fruh. Rare, but I have succeeded in collecting a few good specimens at Maymyo.

asura asura. M. Not at all rare.

perius. L. Very common.

NEPTIS

columella ophiana. M. Common.

jumbah jumbah. M. Common.

magadha khaslana. M. Very rare. Only one male caught by me.

hylas astola. M. Very common.

hylas adara. M. Very common.

soma soma. M. Rare, only one male in my collection.

nandina susruta. M. Not too plentiful.

yerburyi shania. Ev. Fairly plentiful at Maymyo.

sankara quilta. Sw. Rare and very seldom seen.

harita. M. Also rare, only one male caught by me.

anjana nashona. Sw. Rare.

ananta ochracea. Ev. Rare, found at Kalaw in the South.

manasa. M. Not very rare, but very local. I have secured a number from Kalaw; and if one knows their feeding plant it is not difficult to get a number.

dindinga assamica. M. Very rare. A couple of males only in my collection

hordonia hordonia. Stoll. Common all over the Shan States.

CYRESTIS

periander periander. F. I have only seen this very fragile butterfly at the bottom of the Goteik Gorge in the North.

cocles cocles. F. As above.

thyodamas thyodamas. Bdv. Very common.

CHERSONESIA

risa. Dob. and Hew. Fairly plentiful in all of Shan States.

rahria rahrioides. M. Not so plentiful as the above, but quite a number can be collected in one season.

PSEUDERGOLIS

wedha. Koll. Very common at low altitudes but rare at higher elevations.

HYPOLIMNAS

missippus. L. Very rare in the Shan States. Common in the plains.

bolina. L. Fairly common all over the States.

YOMA

sabina vasuki. Doh. Males are very common around Maymyo as they can be found in swarms feeding on cement bridges.

RHINOPALPA

polynice birmana. Fruh. I have not come across this in the hills, but secured a couple of males at the foot of the Karen Hills, Toungoo District.

DOLESCHALLIA

bisaltide indica. M. Only found at low altitudes. One male only in my collection.

KALLIMA

inachus limborgi. M. Fairly common all over the Shan States.

PRECIS

hierta magna. Ev. Very common.

ortihya ocyale. Hub. Common.

lemonias lemonias. L. Very common.

almana almana. L. Very common.

atlites. L. Common.

iphita iphita. Cr. Extremely common.

VANESSA

cardui. L. Rare in the North. Odd ones can be picked up at Kalaw in the South.

indica indica. Herbst. Also rare in the North; but fairly plentiful in the South, Kalaw to Taungyi.

canace canace. L. Common all over the Shan States.

SYMBRENTHIA

hippoclus khasiana. M. Common.

hypselis cotanda. Rare in the Shan States. I have only collected three of these in and around Maymyo. Odd ones have been found at the foot of the hills in the South.

ARGYNNIS

hyperbius hyperbius. L. Very common at altitudes of 3,000 ft. and over. They feed and breed on violets in my garden at Maymyo.

childreni childreni. Gray. Rare. Only found this at Kalaw. Not seen in the North.

CUPHA

erymanthis lotis. Sulz. One of the commonest butterflies in Maymyo.

ATELLA

phalanta. Drury. Very common indeed.

alcippe burmana. Ev. Very rare at high altitudes. Very seldom seen at above 1,000 ft.

ISSORIA

sinha sinha. Koll. Very common all over the country.

CYNTHIA

crota crota. F. Common at low altitudes. Fairly scarce in the hills.

CIRROCHROA

fasciata. Fd. I have only seen this at the foot of the Karen Hills near Taungoo.

neris olivacea. De N. Rare in the hills but fairly plentiful at low elevations.

tyche mithila. M. Also rare in the hills but common on the plains.

CETHOSIA

biblis tisamena. Fruh. Fairly common.

cyane. Drury. Not common.

ERGOLIS

ariadne pallidior. Fruh. Common all over the Shan States.

merione assama. Ev. Also very plentiful.

LARINGA

horsfieldii glaucescens. De N. I used to consider this very rare, and purchased a pair for my collection. The following year I secured half a dozen pairs at Maymyo. It is fairly common at Nanpandet at the foot of the South Shan State Hills.

PAREBA

vesta sordice. Fruh. Common both at Maymyo and Kalaw. Can be collected by the dozen feeding on young paddy plants.

ERYCINIDÆ.

LIBYTHEA

lepita lepita. M. Fairly common.

myrrha sanguinalis. Fruh. Common.

narina rohini. Mar. Very rare.

ZEMEROS

flegyas indicus. Fruh. Very common indeed.

DODONA

eugenus venox. Fruh. Very rare in the Shan States.

egeon. Db. Rare, but odd specimens can be found every year.

ouida ouida. M. Same as above.

henrici longicaudata. De N. Very rare. Only one male in my collection.

henrici deodata. Hew. A few specimens collected by me at Maymyo.

ABISARA

fylla. Db. Very common.

neophron neophron. Hewt. Fairly plentiful all over.

chela kalawna. Ev. Very rare.

echerius angulata. M. Very common.

kausambi paionea. Fruh. Fairly rare.

TAXILA

thuisto sawaja. Fruh. I have only found this at the foot of the Karen Hills.

haquinus fasciata. M. Found both in the North and South.

(To be continued).